MME

Estimating

Please write clearly in block capitals

Forename:
Surname:

Materials

For this paper you must have:
•   mathematical instruments

You must *not* use a calculator.

Instructions

• Use black ink or black ball-point pen. Draw diagrams in pencil.
• Fill in the boxes at the top of this page.
• Answer all questions.
• You must answer the questions in the spaces provided. Do not write outside the box around each page or on blank pages.
• Do all rough work in this book. Cross through any work you do not want to be marked.

Information

• The marks for questions are shown in brackets.
• You may ask for graph paper, tracing paper and more answer paper. These must be tagged securely to this answer book.

Advice

• In all calculations, show clearly how you work out your answer.

1(a) Estimate 3.9×11.1

[2 marks]

_____

_____

_____

Answer _____

1(b) Estimate 2001×31.01

[2 marks]

_____

_____

_____

Answer _____

1(c) Estimate 49.53×120.12

[2 marks]

_____

_____

_____

Answer _____

Turn over for next question

6

Turn over ▶

2 Tom sells 1506 books at a cost of £6.95

Estimate the total amount of money Tom has made from selling his books.

[2 marks]

_____

_____

_____

_____

_____

_____

_____

Answer: £ _____

3 Sarah needs to buy 30 packs of printer paper and 42 printer ink cartridges.

Each pack of printer paper costs £1.75 and ink cartridges cost £4 each.

Estimate how much these items will cost.

[3 marks]

_____

_____

_____

_____

_____

_____

Answer _____

Turn over for next question

5

Turn over ►

4(a)   Work out an estimate for:

$$\frac{24.38 \times 3.1}{3.89 \times 2.1}$$

[3 marks]

_____

_____

_____

Answer _____

4(b)   Work out an estimate for:

$$\frac{30.11 + 19.3}{1.22 \times 5.23}$$

[3 marks]

_____

_____

_____

_____

Answer _____

4(c)   Work out an estimate for:

$$\frac{20.2 \times 99.5}{11.11 - 5.95}$$

[3 marks]

_____

_____

_____

Answer _____

Turn over for next question

9

Turn over ▶

5   Jake is buying tiles for his floor.

His floor is $5.78 \text{ m} \times 7.98 \text{ m}$

5(a)   Estimate the area of Jake's floor.

[2 marks]

_____

_____

_____

_____

Answer _____ m^2

5(b)   Was this estimate an over or under estimate?

Give a reason for your answer.

[2 marks]

_____

_____

_____

GCSE Maths Revision Guide

⊘ GCSE Maths Course 9-1 Revision Guide

⊘ Exam Questions Included

⊘ All exam boards - AQA, OCR, Edexcel, WJEC

⊘ Suitable for higher and foundation tiers

Get it at mme.la/guide or scan the barcode ➔

Turn over ▶

© 2023 MME Revise

6(a) James runs half a mile and records his time at 6.23 minutes.

Estimate how long it would take for James to run 10 miles.

[2 marks]

_____

_____

_____

Answer _____ minutes

6(b) James goes for another for 1 mile and records his time as 12.89 minutes.

He estimates that he can run 10 miles in 2 hours.

Is James correct?

Give a reason for your answer.

[3 marks]

_____

_____

_____

_____

Answer £: _____

7 Jonah has 394 guests, and each requires one glass of juice each.

Estimate how many cartons of juice he will need if each carton has enough to fill 9.5 glasses.

[2 marks]

_____

_____

_____

Answer _____

End of Questions

7

END